

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-212545

(43)Date of publication of application : 23.08.1990

Ref 4

(51)Int.Cl.

C08L 63/00

C08K 3/22

H01B 3/40

(21)Application number : 01-031374

(71)Applicant : NITTO DENKO CORP

(22)Date of filing : 10.02.1989

(72)Inventor : TANEDA TAISUKE  
NAKANISHI MASARU

## (54) CASTING EPOXY RESIN COMPOSITION

## (57)Abstract:

PURPOSE: To improve the appearance, internal settling, bending strength, impact strength, electrical properties and quality of the obtained casting by mixing an epoxy resin as a base with a specified alumina powder as a filler.

CONSTITUTION: An epoxy resin of an epoxy equivalent of 170-450 as a base is mixed with 60-75wt.% alumina powder substantially consisting of particles of a particle diameter  $\leq 2 \mu\text{m}$  and having such a particle diameter distribution that the mean particle diameter is 5-10  $\mu\text{m}$  and the content of particles of a particle diameter  $\leq 1 \mu\text{m}$   $\geq 8\text{wt.}\%$  as a filler and a curing agent, and the mixture is agitated at 60-130° C in a vacuum while degassing it.